suggestions

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revised

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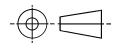
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THIRD ANGLE PROJECTION



PREPARED BY SAE SUBCOMMITTEE AE-8C2



AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, ELECTRONIC, IN-LINE JUNCTIONS, INTEGRAL FUSE, SERIES I

AS81714/23 SHEET 1 OF 5

Printed in the U.S.A.

SSUED

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE IN-LINE JUNCTIONS DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.

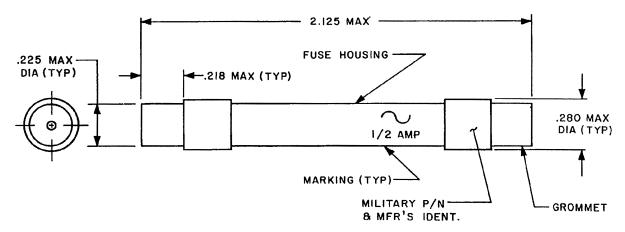


FIGURE 1. STYLE 1 IN-LINE JUNCTION FUSE (REF TABLE I).

TABLE I. STYLE 1 PART NUMBERS. 1/

| Part Number <u>2</u> / <u>3</u> / | Fuse Rating | | Contact (See Reqt 4) | |
|-----------------------------------|-------------|-------|----------------------|--------------|
| | Amps | Volts | Size | Part Number |
| M81714/23-1*001 | 1/16 | 125 | 20 | M39029/1-101 |
| M81714/23-1*002 | 1/8 | 125 | 20 | M39029/1-101 |
| M81714/23-1*003 | 1/4 | 125 | 20 | M39029/1-101 |
| M81714/23-1*004 | 3/8 | 125 | 20 | M39019/1-101 |
| M81714/23-1*005 | 1/2 | 125 | 20 | M39029/1-101 |
| M81714/23-1*006 | 3/4 | 125 | 20 | M39029/1-101 |
| M81714/23-1*007 | 1 | 125 | 20 | M39029/1-101 |
| M81714/23-1*008 | 1-1/2 | 125 | 20 | M39029/1-101 |
| M81714/23-1*009 | 2 | 125 | 20 | M39029/1-101 |
| M81714/23-1*010 | 2-1/2 | 125 | 20 | M39029/1-101 |
| M81714/23-1*011 | 3 | 125 | 20 | M39029/1-101 |
| M81714/23-1*012 | 3-1/2 | 125 | 20 | M39029/1-101 |
| M81714/23-1*013 | 4 | 125 | 20 | M39029/1-101 |
| M81714/23-1*014 | 5 | 125 | 20 | M39029/1-101 |
| M81714/23-1*015 | 7 | 125 | 20 | M39029/1-101 |
| M81714/23-1*016 | 10 | 125 | 20 | M39029/1-101 |

Style 1 shall meet the requirements of MIL-F-23419, Type FMO4. See part number explanation, Note 6. See Note 7.

| Inch | mm | Inch | mm |
|------|------|-------|-------|
| .218 | 5.54 | .401 | 10.19 |
| .225 | 5.72 | 2.125 | 53.98 |
| .280 | 7.11 | 3.100 | 78.74 |

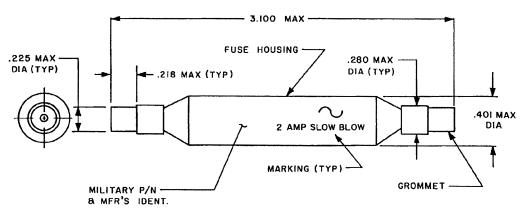


FIGURE 2. STYLE 2 IN-LINE JUNCTION FUSE (REF TABLE II). $\underline{1}/$

TABLE II. STYLE 2 PART NUMBERS.

| Part Number <u>2</u> / <u>4</u> / | Fuse Rating <u>2</u> / | | Contact | |
|-----------------------------------|------------------------|-------|---------|-----------------------|
| | Amps | Volts | Size | Part Number |
| M81714/23-2*001 | 1/16 | 125 | 20 | M39029/1-101 |
| M81714/23-2*002 | 1/8 | 125 | 20 | M39029/1-101 |
| M81714/23-2*003 | 1/4 | 125 | 20 | M39029/1-101 |
| M81714/23-2*004 | 3/8 | 125 | 20 | M39019/1-101 |
| M81714/23-2*005 | 1/2 | 125 | 20 | M39029/1-101 |
| M81714/23-2*006 | 3/4 | 125 | 20 | M39029/1-101 |
| M81714/23-2*007 | 1 | 125 | 20 | M39029/1-101 |
| M81714/23-2*008 | 1-1/2 | 125 | 20 | M39029/1-101 |
| M81714/23-2*009 | 2 | 125 | 20 | M39029/1-101 |
| M81714/23-2*010 | 2-1/2 | 125 | 20 | M39029/1-101 |
| M81714/23-2*011 | 3 | 125 | 20 | M39029/1-101 |
| M81714/23-2*013 | 4 | 125 | 20 | M39 029/1- 101 |
| M81714/23-2*014 | 5 | 125 | 20 | M39029/1-101 |
| M81714/23-2*015 | 7 | 125 | 20 | M39029/1-101 |
| M81714/23-2*016 | 10 | 125 | 20 | M39029/1-101 |

Style 2 shall meet the requirements of MIL-F-15160, Type F03B.

| The Engineering Society For Advancing Mobility Land Sea Air and Space INTERNATIONAL | AEROSPACE STANDARD | A C0474 4/00 |
|---|--|----------------------------|
| INTERNATIONAL 400 Commonwealth Drive, Warrendale, PA 15096-0001 | TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, ELECTRONIC, IN-LINE JUNCTIONS, INTEGRAL FUSE, SERIES I | AS81714/23 SHEET 4 OF 5 |

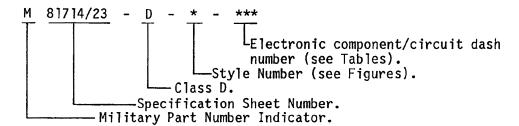
See part number explanation, Note 6. Slow blow fuse. See Note 8.

REQUIREMENTS:

- 1. MATERIALS:
 - a. CURRENT CARRYING MEMBERS OF THE ELECTRONIC IN-LINE JUNCTION SHALL BE IN ACCORDANCE WITH THE IN-LINE JUNCTION SPECIFICATION.
 - b. HOUSING SHALL BE COVERED BY SHRINK TUBING AND/OR SHROUDED WITH GROMMET MATERIAL.

NOTES:

- 1. DIMENSIONS ARE IN INCHES.
- 2. MIL-T-81714 REQUIREMENTS APPLY TO BASIC IN-LINE JUNCTION ONLY. FOR RATING AND CHARACTERISTICS OF ELECTRONIC COMPONENT(S), CONSULT COMPONENT SPECIFICATION.
- 3. TOOL FOR CONTACT INSERTING/REMOVAL IS M81969/14-02 AND SHALL BE ORDERED SEPARATELY.
- 4. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
- INTERNATIONAL INTEREST, SEE SPECIFICATION MIL-T-81714.
- 6. THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, BLOCK CLASS, STYLE NUMBER (SEE FIGURES), AND ELECTRONIC COMPONENT/CIRCUIT DASH NUMBER (SEE TABLES).



PART NUMBER EXAMPLE:

M81714/23-D-001

FUSE WIRE IN-LINE JUNCTION, SIZE 20, STYLE 1, WITH 1/16 AMP FUSE.

7. CLASSES A, B AND C ARE SUPERSEDED BY CLASS D ONE YEAR FROM THE DATE OF SPECIFICATION MIL-T-81714D.